

SESSION 3: 2023 Rising Visionary Award



Moderator:

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Prevent Blindness



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Why the Eye: Collaborating with Learners to Respond to Community-Identified Needs

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Self-Description & Disclosures

- No disclosures

Objectives

- Describe current state of US ophthalmology instruction
- Discuss opportunities for ophthalmology-related community service to engage learners in vision and eye care
- Describe opportunities to connect ophthalmology service-learning and social determinants of health education

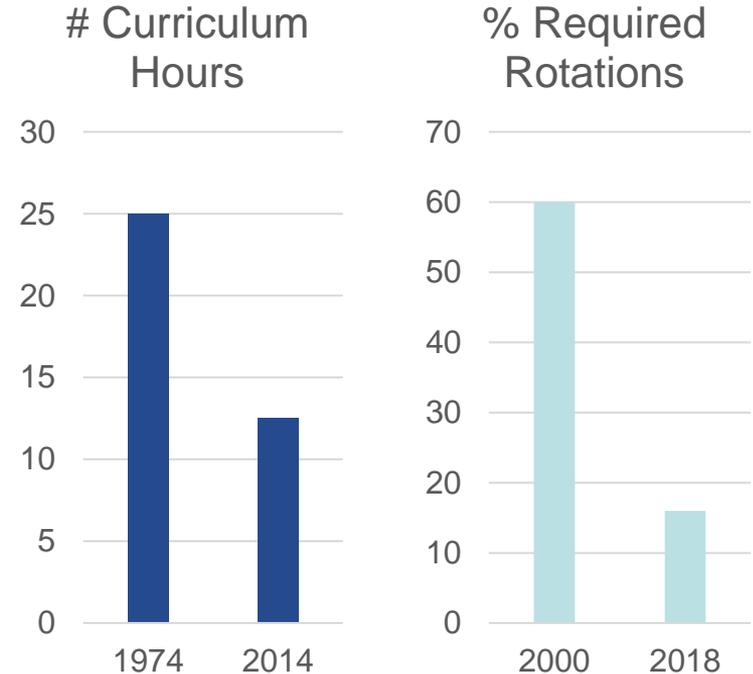
Declining Ophthalmology Instruction in Medical Schools

United States medical schools have decreased ophthalmology instruction

- Ophthalmology curriculum hours¹
- Required clinical ophthalmology rotations¹

At the same time, workforce shortages and racial and gender disparities exist within the field of ophthalmology²

Despite reduced instruction, outreach or community service opportunities offered at **75%** of institutions



¹ Moxon, N R et al. Ophthalmology, 2020; ² Aguwa UT et al. Am J Ophthalmology, 2021

Ophthalmology Service-Learning

An opportunity to:

1. Respond to community-identified needs
2. Supplement education and excitement about vision and eye care fields
3. Provide instruction about social determinants of health (SDoH)



Ophthalmology Service-Learning: Responding to Community-Identified Needs

Creation of Vision Screening in Our Neighborhoods (ViSION) Program: A Community Needs Survey

2012 Survey facilitated by Charm City Care Connection:

- Identified vision and dental care as key unmet needs within the local Southeastern Baltimore community

Founder: Thomas V. Johnson III



Ophthalmology Service-Learning: Engaging Learners

Mixed-methods study of program impact on medical students

- On surveys, greater confidence reported in:
 - Ophthalmology clinical skills¹
 - Explaining vision and eye-related problems to patients¹
- In interviews, reports that participation allowed for exploration of career interests, especially ophthalmology and public health¹

Notably, this program also engages undergraduates, post-baccalaureates, and ophthalmology fellows as volunteers

- Increases exposure to vision and eye care across learner/workforce pipeline



¹ Burton, Eleanor et al BMC medical education, 2022

Ophthalmology Service-Learning: Opportunity for SDoH Instruction and Resource Connection

- Enrollment in Hopkins Community Connection (HCC), a program that screens and addresses SDoH, is associated with **higher follow-up rates** for pediatric patients¹
- To increase follow up, ViSION partnered with HCC to begin screening for social needs
- Opportunity for volunteers to gain experience with SDoH

¹ Yuan, Charmaine Academic Pediatric Association, 2022

Social Needs Screening Form

GENERAL		In the past year have you or any of your family members been unable to get any of the following when it was really needed	<input type="checkbox"/> Food <input type="checkbox"/> Clothing <input type="checkbox"/> Childcare <input type="checkbox"/> Medical care <input type="checkbox"/> Other
FOOD		Within the past 12 months , we worried whether our food would run out before we got money to buy more.	<input type="checkbox"/> Often true <input type="checkbox"/> Sometimes true <input type="checkbox"/> Never true
		Within the past 12 months , the food that we bought just didn't last and we didn't have money to get more.	<input type="checkbox"/> Often true <input type="checkbox"/> Sometimes true <input type="checkbox"/> Never true
TRANSPORT		In the past 12 months , has lack of transportation kept you from medical appointments or from getting medications?	<input type="checkbox"/> Yes <input type="checkbox"/> No
UTILITIES		In the past 12 months , has the electric, gas, oil, or water company threatened to shut off services in your home?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Already shut off
		If not, would you like resources for getting energy assistance?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Would you like resources for:	
Diapers and/or baby supplies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Applying for public benefits (Food Stamps, TCA, WIC, SSI/SSDI?)	<input type="checkbox"/> Yes <input type="checkbox"/> No

Would you like to receive assistance with any of these resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are any of your needs urgent? For example: I don't have food tonight, I don't have a place to sleep tonight	<input type="checkbox"/> Yes <input type="checkbox"/> No

Next steps & Resources

Next steps: need for further community input

- Within both ViSION program and overall in vision & eye-related fields, there is a need for greater community leadership and adoption of community-based participatory approaches¹

Resources:

- Screening form by the American Academy of Family Physicians
 - https://www.aafp.org/dam/AAFP/documents/patient_care/everyone_project/hops19-physician-form-sdoh.pdf
- Consortium of Student Led Eye Clinics
 - <https://sites.google.com/iu.edu/cslec/home>

¹ Earle-Richardson, Giulia *American Journal of Industrial Medicine*, 2014

Thank you!

The Dana Center for
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